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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/679,936	10/05/2000	Benjamin Y.H. Liu	M419.12-0021	7889	
75	90 08/18/2003				
Nickolas E. Westman WESTMAN, CHAMPLIN & KELLY, P.A. International Centre, Suite 1600			EXAMINER		
			SIEFKE, SAMUEL P		
900 Second Avenue South Minneapolis, MN 55402-3319			ART UNIT	PAPER NUMBER	
Transcapority Tra			1743		
			DATE MAILED. 00/10/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

·		A self-refresh	Applicant/o)				
	•	Application N .	Applicant(s)				
	Office Action Commence	09/679,936	LIU ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Samuel P Siefke	1743				
Period fo	The MAILING DATE of this communication a r Reply	ppears on the cover sheet with	h the correspondence addre	5S			
THE - Exter after - If the - If NC - Failu - Any I	ORTENED STATUTORY PERIOD FOR REP MAILING DATE OF THIS COMMUNICATION is sions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reperiod for reply is specified above, the maximum statutory perion to reply within the set or extended period for reply will, by state eply received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a report of thirty divided and will expire SIX (6) MONT of the cause the application to become ABA	oly be timely filed (30) days will be considered timely. HS from the mailing date of this common NDONED (35 U.S.C. § 133).	unication.			
1)	Responsive to communication(s) filed on	·					
2a)⊠	This action is FINAL . 2b)	This action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213. Disposition of Claims							
•	Claim(s) <u>1-5,9-14 and 28-32</u> is/are pending	in the application					
	4a) Of the above claim(s) is/are withdr						
	Claim(s) is/are allowed.						
,	Claim(s) is/are rejected.						
		to					
7)⊠ Claim(s) <u>1-5,9-14 and 28-32</u> is/are objected to. 8)□ Claim(s) are subject to restriction and/or election requirement.							
1	on Papers	or election requirement.					
_	The specification is objected to by the Examir	ner.					
10)	· · · · · · · · · · · · · · · · · · ·	epted or b) objected to by the	e Examiner.				
,—	Applicant may not request that any objection to						
11) The proposed drawing correction filed on is: a) approved b) disapproved by the Examiner.							
	If approved, corrected drawings are required in	reply to this Office action.					
12)[The oath or declaration is objected to by the E	Examiner.					
Priority ι	inder 35 U.S.C. §§ 119 and 120						
13)	Acknowledgment is made of a claim for forei	gn priority under 35 U.S.C. §	119(a)-(d) or (f).				
a)[☐ All b)☐ Some * c)☐ None of:						
,	1. Certified copies of the priority docume	nts have been received.					
	Certified copies of the priority documents		plication No				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
	cknowledgment is made of a claim for domes	•		olication).			
a) ☐ The translation of the foreign language packnowledgment is made of a claim for dome	rovisional application has bee	en received.	- /-			
Attachmen	•	one priority under 55 0.0.0. S	13 120 UHU/OF 121.				
	e of References Cited (PTO-892)	4) Therview St	ummary (PTO-413) Paper No(s)	_			
2) Notic	e of Neterences Cited (F10-692) e of Draftsperson's Patent Drawing Review (PT0-948) nation Disclosure Statement(s) (PT0-1449) Paper No(s)	5) Notice of Int	formal Patent Application (PTO-15				
U.S. Patent and Ti PTO-326 (Re		Action Summary	Part of Par	per No. 5			

Application/Control Number: 09/679,936

Art Unit: 1743

DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1, 9, and 28 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. It is unclear as to how agitation can separate and classify the particles on the impactor upon injection of a solvent solution into the cascade impactor.

In claim 1, it is unclear as to whether the solvent carries the particles. Claim 1, line 7 "injecting a solvent solution into each of the plurality of enclosures containing an impaction surface, carrying particles agitating the solvent applied on each separated and enclosed surface".

Claim Objections

Claim 1 is objected to because of the following informalities: "analyzation" should be just "analysis". Appropriate correction is required.

Election/Restrictions

Applicant's election with traverse of Group III in Paper No. 6 is acknowledged. The traversal is on the ground(s) that the claims have been amended to conform to the elected claim language. This is not found persuasive because a restriction is still found to be proper because the restriction was based on an apparatus and method restriction.

Application/Control Number: 09/679,936

Art Unit: 1743

Restriction is proper when inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the process as claimed can be practiced by hand, using stacked trays with holes of decreasing in size in each tray. Adding the liquid sample to the top tray (the one with the largest hole size), the sample would drip down through all the trays, which decrease in hole size, the trays would allow for simple separation and classification of the particles in the sample. The bottom tray would contain the left over liquid sample stripped of all particles, which could be weighed and calculated.

The requirement is still deemed proper and is therefore made FINAL.

Allowable Subject Matter

Claims 1-5, 9-14, and 28-32 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within

Art Unit: 1743

TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel P Siefke whose telephone number is 703-306-0093. The examiner can normally be reached on M-F 7:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on 703-308-4037. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9311 for regular communications and 703-872-9310 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0661.

SPS ~

August 11, 2003

Supervisory Patent Examiner Technology Center 1760